

Gear Change Operation T-180

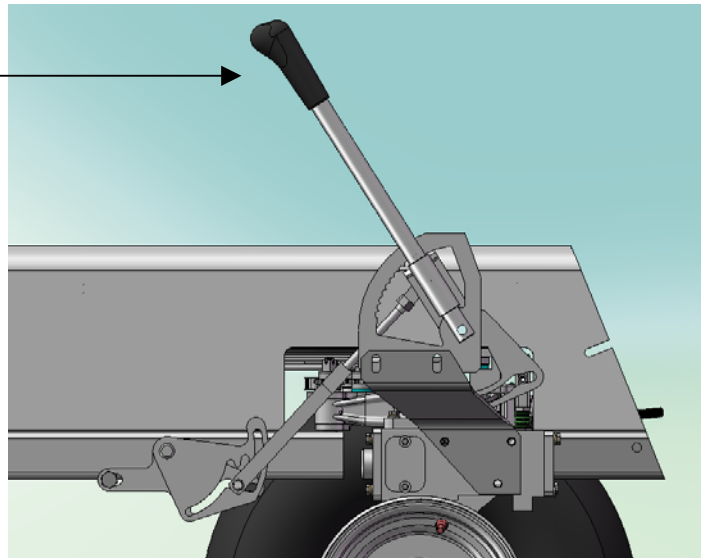
The gearbox and drive train is an uncomplicated design and is simple to operate. Due to its simplicity it does not feature automatic “syncro mesh” gear alignment found in much more complicated (and expensive) automobile gearboxes.

If you find it difficult to engage gear (forward or reverse) the gears are not aligned in such a manner to allow the gears to interlock. (see diagram's below)

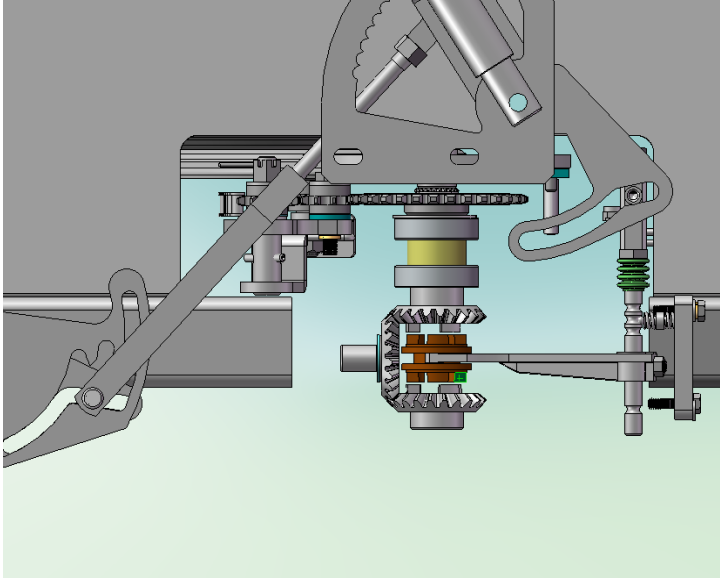
If you are not successful in transferring the shift lever from the neutral position “N” to forward or reverse position **depress the clutch and brake pedal once again** and repeat the procedure. This allows the gears to rotate and allow for correct alignment to interlock.

You will find operation very easy as with practice you become familiar with the use of the lawn tractor.

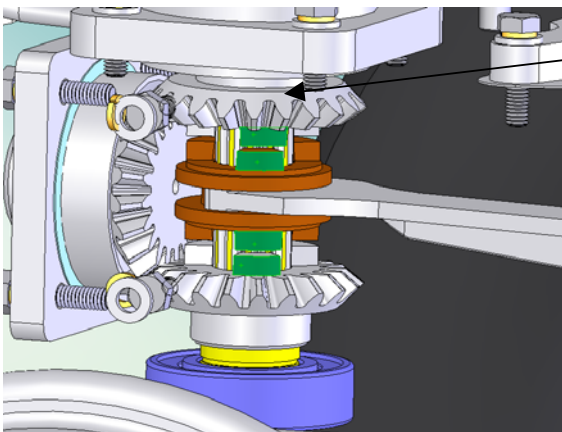
Before engaging forward or reverse gear the brake must be applied and the machine brought to a **FULL STOP.** Once drive is engaged and already driving forward you can change the speed without applying the clutch/brake pedal. ie shift-on-the-go.



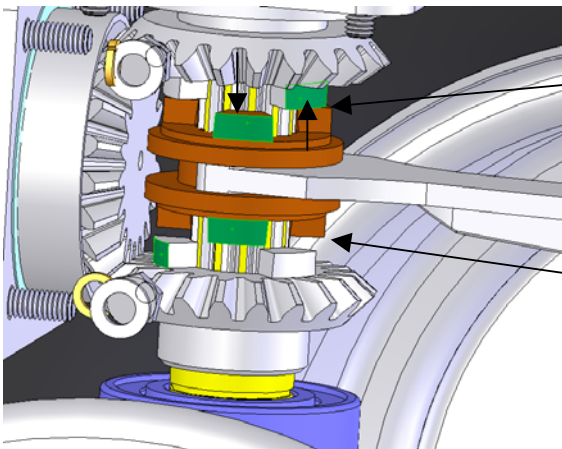
UNDERSTANDING THE GEARBOX OPERATION



Gear change mechanism in neutral gear.



When at this position you cannot engage the gear. You must change the tooth position by releasing the park brake making the pulley and tooth turn to right position.



Only when the cogs are in this position can you engage the drive.

When engaging gear this whole assembly (green cog and brown actuator) lifts so the 2 green cogs are side by side (engaged)